

## VOLTSTAB AUTOMATIC VOLTAGE STABILISERS - PA 500VA, 230Vac 50/60Hz

VoltStab stabilisers offer robust, maintenance free protection for loads that can suffer erratic operation or be damaged by mains power sags, surges and brownouts.



### APPLICATIONS

AVS range (Relay based switching) for:

- absorption re Fridgerators

### OPERATION

The built-in processor monitors the incoming mains supply and automatically selects a tap configuration to meet stabilisation and output voltage set points. If the mains supply falls outside pre-set upper or lower voltage limits, VoltStab automatically cuts out to protect the connected load. The stabiliser automatically restarts when the mains supply returns to within the pre-set nominal band.

### FEATURES

- Auto transformer with microprocessor controlled no-break output voltage
- Low installation, heat output and running costs - maintenance free
- High Mean Time Between Failure (MTBF)
- Auto restart on mains return to within pre-programmed set-points.
- Start up delay to prevent damage to inductive loads - such as air conditioners, fridges and freezers
- Overload protection - MCB
- Wide input voltage range
- High output correction accuracy
- Fast response time
- Field replaceable PCB
- Easy to install
- Test Report: CATR.A.92071 (1988).  
Meets WHO/UNICEF Standard E7/VR.2.

### OPTIONS

- Mains voltage and frequency to suit geographic characteristics
- Mains plug and output sockets to suit local needs
- Transient Voltage Surge Suppressor (TVSS) for remote, hostile environments
- Factory programmable set-points including: mains voltage, frequency, switch on time delay and tap voltage limit operation

Models	AVS 500/PA
Rated input voltage	220Vac*
Input voltage range	150-280Vac, max 450V
Continuous Power	500VA
Output voltage	220Vac
Output voltage range	209-231Vac (+/-5%)
Correction speed	>1250Vac per second
Output frequency	50/60Hz mains tracking
Efficiency %	97
Operating temperature	0-40°C, convection cooled
Front panel	Mains present and output neons
Overload protection	Input breaker, cut-out delay 2s, Switch on delay approx 7m
Input supply connections	Mains lead with local plug
Output load connections	1 socket
Safety Standards	CE marked, EN60742, EN60950
Metal case rating	IP21
Case colour	RAL7035

\* Other voltage configurations on application

Model No	Power <sup>^</sup>	Dimensions WxDxHmm	Weight (kg)
AVS 500/PA	500VA	190 x 260x 160	7.1

<sup>^</sup> Units are rated at unity power factor, VA=Watts